



- Go.Birel.com "Do it Yourself" Series -

presented by:



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BIREL RY31 / CHASSIS BASELINE SHEET

The Birel RY31 ('09 and newer) is a revision of the popular R31 that has been a front-running chassis for 100cc and TaG/Rotax applications for years. With a mix of 32mm and 30mm tubing, this chassis is suitable for nearly all Senior categories including Masters weight classes.



CATEGORY:

- Senior 100cc
- Senior Rotax/TaG

BASELINE SETTINGS:

The following baseline information is a good starting point. Please note that our baseline is set with the materials/accessories listed. If you deviate from the baseline using different accessories, your set-up will vary due to these variables.

RY31 - 100cc

Front Hubs:	75mm Freeline HQ
Wheels:	Freeline DF130mm Mag
Front Width:	1 Thick / 1 Thin Spacer
Toe:	2mm out
Camber:	0 to +/- 2mm
Caster:	.5-degree in
Torsion Bar:	Straight bar - In
Ride Height:	Middle
Spindles:	25mm
Axle:	50x2.5x1040mm "F"
Axle Position:	Down
Hubs:	50 x 95mm Freeline HQ
Rear Width:	53.25"
Wheels:	Freeline DF210mm Mag
Third Bearing:	Out
Side Rail:	Out
Seat Struts:	1 Each Side

RY31 - Rotax/TaG

75mm Freeline HQ
Freeline DF130mm Mag
1 Thick / 2 Thin Spacer
2mm out
0 to +/- 2mm
.5-degree in
Straight bar - In
Middle
25mm
50x2.5x1040mm "F"
Down
50 x 95mm Freeline HQ
54.625"
Freeline DF210mm Mag
In
Out
1 Each Side

SUGGESTED TIRE PRESSURES:

B-stone YJC	11
MG Yellow	10
Mojo D2	n/a

11
10
12

Tire compounds vary as do the "cold" starting pressures. These are suggested starting pressures based on class and compound. You will want to look for 2.5 - 3 lbs. of growth in air pressure.

For specific questions - you may access the MRP Customer Discussion Forum and request specific questions regarding Birel & Freeline chassis/parts at www.mrpmotorsport.com or www.GoBirel.com